Grass and Forage Science (1985) 40, 503–506.

ALLI I., ROBIDAS E., NOROOZI E. and BAKER B.E. Some changes associated with the field drying of lucerne and timothy, 221.
BAKER B.E. *see* ALLI I.
BASSETT P.J. *see* COBBY J.M.
BIERLEIN D.L. *see* BYERS R.A.
BLASER R.E. *see* SHEEHAN W.
BOATMAN N.D. and HAGGAR R.J. Effects of grass defoliation on the establishment and growth of slot-seeded white clover, 375.
BOUQUE CH. V. *see* COTTYN B.G.
BOWLING P.J. *see* HOPKINS A.
BRYANT F.C. *see* FLOREZ A.
BUYSSE F.X. *see* COTTYN B.G.
BYERS R.A., TEMPLETON W.C., JR, MANGAN R.L., BIERLEIN D.L., CAMPBELL W.F. and DONLEY H.J. Establishment of legumes in grass swards: effects of pesticides on slugs, insects, legume seedling numbers and forage yield and quality, 41.
CAMPBELL W.F. *see* BYERS R.A.
CAMPLING R.C. *see* HARB M.Y. (2 papers).
CARLTON-SMITH C.H. and COKER E.G. Manurial value of septic-tank sludge on grassland, 411.
CASTLE M.E. and WATSON J.N. Silage and milk production: studies with molasses and formic acid as additives for grass silage, 85.
CATHERALL P.L. Resistance of grasses to two sobemoviruses, cocksfoot mottle and cynosurus mottle, 311.
CHAPPLE D.G. Feeding young calves on silage-only diets, 237.
COBBY J.M., RIDOUT M.S. BASSETT P.J. and LARGE R.V. An investigation into the use of ranked set sampling on grass and grass–clover swards, 257.
COBBY J.M. *see* SHELDRICK L.D.
COKER E.G. *see* CARLTON-SMITH C.H.
COOK S.J. Effect of nutrient application and herbicides on root competition between green panic seedlings and a *Heteropogon* grassland sward, 171.
COOPER A. *see* WELLER R.F.
CORRALL R.G. *see* POWELL R.A.
COTTYN B.G., BOUQUE CH. V., FIEMS L.O., VANACKER J.M. and BUYSSE F.X. Unwilted and prewilted grass silage for finishing bulls, 119.
CURLL M.L. and WILKINS R.J. The effect of cutting for conservation on a grazed perennial ryegrass–white clover pasture, 19.
CURLL M.L., WILKINS R.J., SNAYDON R.W. and SHANMUGALINGAM V.S. The effects of stocking rate and nitrogen fertilizer on a perennial ryegrass–white clover sward. 1. Sward and sheep performance, 129.
CURLL M.L., WILKINS R.J., SNAYDON R.W. and SHANMUGALINGAM V.S. The effects of stocking rate and nitrogen fertilizer on a perennial ryegrass–white clover sward. 2. Subsequent sward and sheep performance, 141.
DAVIES D.A., JONES E.L. and MORGAN T.E.H. Comparison of the relative performance of perennial ryegrass varieties under upland and lowland conditions, 323.
DIBB C. *see* HOPKINS A.
DONLEY H.J. *see* BYERS R.A.
DOYLE C.J. and THOMPSON D.J. The future of lucerne in British agriculture: an economic assessment, 57.
ELLIS J.A. *see* HOPKINS A.
ELLIS J.A. *see* PEEL S.
FAULKNER J.S. A comparison of faba beans and peas as whole-crop forages, 161.
FIEMS L.O. *see* COTTYN B.G.
FLOREZ A., MALPARTIDA E., BRYANT F.C. and WIGGERS E.P. Nutrient content and phenology of cool-season grasses of Peru, 365.
FONTENOT J.P. *see* SHEEHAN W.
FORBES T.D.A. and HODGSON J. Comparative studies of the influence of sward conditions on the ingestive behaviour of cows and sheep, 69.

FORBES T.D.A. and HODGSON J. The reaction of grazing sheep and cattle to the presence of dung from the same or the other species, 177.
FRAME J., HARKESS R.D. and HUNT I.V. Effect of seed rate of red clover and of companion timothy or tall fescue on herbage production, 459.
FRASER D. *see* LEAVER J.D.
GALYEAN M.L. *see* HOLECHEK J.L.
GILBEY J. *see* HOPKINS A.
GOTOH K. *see* SUGIYAMA S.
HAGGAR R.J. and ISAAC S.P. The use of a reflectance ratio meter to monitor grass establishment and herbicide damage, 331.
HAGGAR R.J., ISAAC S.P. and STANDELL C.J. Increasing clover contents in mixed swards with mefluidide, a plant growth regulator, 241.
HAGGAR R.J. *see* BOATMAN N.D.
HAGGAR R.J. *see* WILLIAMS E.D.
HAGOOD E.S., JR. *see* ROTH G.W.
HAIGH P.M. and PARKER J.W.G. Effect of silage additives and wilting on silage fermentation, digestibility and intake, and on liveweight change of young cattle, 429.
HAMPTON J.G. and HEBBLETHWAITE P.D. The effect of the growth regulator paclobutrazol (PP333) on the growth, development and yield of *Lolium perenne* grown for seed, 93.
HAMPTON J.G. and HEBBLETHWAITE P.D. A comparison of seed harvesting methods for perennial ryegrass treated with the growth retardant paclobutrazol, 361.
HARB M.Y. and CAMPLING R.C. Variation among pregnant, non-lactating dairy cows in eating and ruminating behaviour, digestibility and voluntary intake of hay, 109.
HARB M.Y., REYNOLDS V.S. and CAMPLING R.C. Eating behaviour, social dominance and voluntary intake of silage in group-fed milking cattle, 113.
HARKESS R.D. *see* FRAME J.
HAY R.K.M. The microclimate of an upland grassland, 201.
HAYES M.J. *see* WILLIAMS E.D.
HEBBLETHWAITE P.D. *see* HAMPTON J.G. (2 papers).
HODGSON J. *see* FORBES T.D.A.
HOLECHEK J.L., GALYEAN M.L., WALLACE J.D. and WOFFORD H. Evaluation of faecal indices for predicting phosphorus status of cattle, 489.
HOOPER G.E. *see* PENNING P.D.
HOPKINS A., MATKIN E.A., ELLIS J.A. and PEEL S. South-west England grassland survey 1983. 1. Age structure and sward composition of permanent and arable grassland and their relation to manageability, fertilizer nitrogen and other management features, 349.
HOPKINS A., DIBB C., BOWLING P.J., GILBEY J., MURRAY P.J. and WILSON I.A.N. Production from permanent and reseeded grassland in England and Wales: results from a multi-site cutting trial, 245.
HOPKINS A. *see* PEEL S.
HUNT I.V. *see* FRAME J.
ISAAC S.P. *see* HAGGAR R.J. (2 papers).
JESS S. *see* MOWAT D.J.
JOHNSON I.R. and PARSONS A.J. Use of a model to analyse the effects of continuous grazing managements on seasonal patterns of grass production, 449.
JONES E.L. *see* DAVIES D.A.
JONES J.G.W. Editorial, 381.
LAIDLAW A.S. Effect of time of application of nitrogenous fertilizer on development of white clover in an autumn-sown mixed sward, 493.
LARGE R.V. *see* COBBY J.M.
LAVENDER R.H. *see* SHELDRICK L.D.
LEAVER J.D. and FRASER D. Four years' experience with a low-input system at Crichton Royal Farm, 229.
LEAVER J.D. *see* PHILIPS C.J.C. (3 papers).
LEIBENSPERGER R.Y. *see* PITT R.E.
MCILMOYLE W.A. *see* STEEN R.W.J.
MALPARTIDA E. *see* FLOREZ A.
MANGAN R.L. *see* BYERS R.A.
MATKIN E.A. *see* HOPKINS A.
MATKIN E.A. *see* PEEL S.
MORGAN T.E.H. *see* DAVIES D.A.
MOWAT D.J. and JESS S. A comparison of insecticide treatments for the control of frit in seedling ryegrass, 251.
MUCK R.E. *see* PITT R.E.
MURRAY P.J. *see* HOPKINS A.
NEWBOULD P. *see* RANGELEY A.
NOROOZI E. *see* ALLI I.
NORRIS I.B. Relationships between growth and measured weather factors among contrasting varieties of *Lolium*, *Dactylis* and *Festuca* species, 151.
O'TOOLE M.A. Effects of improved nutrition during lactation on the performance of hill lambs, 485.

PARIS P. *see* PARIS Q.
PARIS Q. and PARIS P. A von Liebig response function to nitrogen and phosphorus for hay production from irrigated pastures, 213.
PARKER J.W.G. *see* HAIGH P.M.
PARSONS A.J. *see* JOHNSON I.R.
PEARSE P.J. *see* WOLEDGE J.
PEEL S., MATKIN E.A., ELLIS J.A. and HOPKINS A. South-west England grassland survey 1983. 2. Trends in cropping pattern, reseeding and sward composition 1970–83, 467.
PEEL S. *see* HOPKINS A.
PENNING P.D.and HOOPER G.E. An evaluation of the use of short-term weight changes in grazing sheep for estimating herbage intake, 79.
PHILLIPS C.J.C. and LEAVER J.D. Supplementary feeding of forage to grazing dairy cows. 1. Offering hay to dairy cows at high and low stocking rates, 183.
PHILIPS C.J.C. and LEAVER J.D. Supplementary feeding of forage to grazing dairy cows. 2. Offering grass silage in early and late season, 193.
PHILIPS C.J.C. and LEAVER J.D. Effect of restriction of silage intake and the provision of an alternative forage on the performance of dairy cows, 419.
PHIPPS R.H. *see* WELLER R.F.
PITT R.E., MUCK R.E. and LEIBENSPERGER R.Y. A quantitative model of the ensilage process in lactate silages, 279.
POOLE A.H. Financial response to lower concentrate inputs in the diary herd, 235.
POOLE D.A. A buffer grazing system, 231.
POWELL R.A. and CORRALL R.G. The British Grassland Society: the first 40 years, 383.
RAE R.C. and REEVE A. The potential of an all-forage diet for the spring calving dairy cow, 227.
RANGELEY A. and NEWBOULD P. Growth responses to lime and fertilizers and critical concentrations in herbage of white clover in Scottish hill soils, 265.
REID D. The combined use of fertilizer nitrogen and white clover on grazed ryegrass swards, 371.
REEVE A. *see* RAE R.C.
REYNOLDS V.S. *see* HARB M.Y.
RIDER J.C. A system of milk production from January/February calving cows and some thoughts on the modification of that system to cope with the current pressures being imposed on British Agriculture, 233.
RIDOUT M.S. *see* COBBY J.M.
ROBIDAS E. *see* ALLI I.
ROTH G.W., WOLF D.D. and HAGOOD E.S., JR. Alfalfa establishment without tillage as influenced by insecticide and vegetation suppression, 473.
SHANMUGALINGAM V.S. *see* CURLL M.L. (2 papers)
SHEEHAN W., FONTENOT J.P. and BLASER R.E. *In vitro* dry matter digestibility and chemical composition of autumn-accumulated tall fescue, orchardgrass and red clover, 317.
SHELDRICK R.D., LAVENDER R.H., TEWSON V.J. and COBBY J.M. The effect on annual dry matter yield of using a hand-controlled mower or a plot harvester for cutting herbage on small -plot trials, 103.
SNAYDON R.W. *see* CURLL M.L. (2 papers).
SPARKE C.J. Effect of after-treatments on sward composition and the establishment of introduced species following the control of bracken, 403.
SPOELSTRA S.F. Nitrate in silage, 1.
STANDELL C.J. *see* HAGGAR R.J.
STEWART T.A. Development of a system to produce 1 tonne of beef per hectare from a low N grass/clover sward, 239.
STEEN R.W.J. and MCILMOYLE W.A. The effect of frequency of harvesting grass for silage on the intake and performance of beef cattle, 341.
STOCKDALE C.R. Influence of some sward characteristics on the consumption of irrigated pastures grazed by lactating dairy cattle, 31.
SUGIYAMA S., YONEYAMA M., TAKAHASHI N. and GOTOH K. Canopy structure and productivity of *Festuca arundinacea* Schreb. swards during vegetative and reproductive growth, 49.
TAKAHASHI N. *see* SUGIYAMA S.
TALLOWIN J.R.B. Herbage losses from tiller pulling in a continuously grazed perennial ryegrass sward, 13.
TEMPLETON W.C. JR *see* BYERS R.A.
TEWSON V.J. *see* SHELDRICK R.D.
THOMPSON D.J. *see* DOYLE C.J.
VANACKER J.M. *see* COTTYN B.G.
WAGSTAFF H. Variations in input use and

performance on Scottish livestock farms, 243.
WALLACE J.D. *see* HOLECHEK J.L.
WATSON J.N. *see* CASTLE M.E.
WELLER R.F., PHIPPS R.H. and COOPER A. The effect of the brown midrib-3 gene on the maturity and yield of forage maize, 335.
WIGGERS E.P. *see* FLOREZ A.
WILKINS R.J. *see* CURLL M.L. (3 papers).
WILLIAMS E.D., HAYES M.J. and HAGGAR R.J. Slot-seeding investigations. 4. Effect of phosphate fertilizer and grass suppressant on the establishment and growth of white clover in permanent pasture, 437.
WILSON I.A.N. *see* HOPKINS A.
WOFFORD H. *see* HOLECHEK J.L.
WOLEDGE J. and PEARSE P.J. The effect of nitrogenous fertilizer on the photosynthesis of leaves of a ryegrass sward, 305.
WOLF D.D. *see* ROTH G.W.
YONEYAMA M. *see* SUGIYAMA S.

4867 K